4800 DDS Center

80 South 8th Street

Minneapolis, Minnesota 55402-2100

Telephone: (612) 349-5740 Facsimile: (612) 349-9266

APPLICATION TRANSMITTAL



Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. § 1.53(b) is the patent application of

INVENTOR(S): Hiroyasu Hasegawa, Kiyokazu Ohtaki, Tomoyuki Funayama, Koji Iwamoto

FOR: SWITCH DEVICE

Enclosed are:

[X] Specification and Abstract - 26 pages.

[X] Drawings - 4 sheets (Figs. 1-5).

[X] Combined Declaration and Power of Attorney.

[X]Information Disclosure Statement.

[] CD-ROM or CD-R in duplicate, and Compact Disc Transmittal.

[] Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i) (nonpublication).

Submission of Priority Document and certified copy of German Patent Application No. [X]

2003-111938.

| | | | Small Entity | | Large Entity |
|--------------------------------------|-----------|-----------|--------------|-------|--------------|
| | No. Filed | No. Extra | Rate | OR | Rate |
| Basic Fee | | | \$385 | OR | \$770 |
| Total Claims | 10 - 20 | = 0 | x 9 = \$ | OR | x 18 = \$ |
| Independent Claims | 6 - 3 | = 3 | x 43 = \$ | OR | x 86 = \$258 |
| Presence of Multiple Dependent Claim | | | + 145 | OR | + 290 |
| | | TOTAL | \$ | TOTAL | \$1,028.00 |

- [] Applicant(s) is/are entitled to small entity status in accordance with 37 CFR 1.27.
- [X] A check in the amount of \$1,028.00 to cover the filing fee is attached. The Commissioner is hereby authorized to grant any extensions of time and to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 that may be required during the entire pendency of this application to Deposit Account No. 16-0631.

Attorney Docket No. 2842.21US01

| Respectfully submitted, |
|---|
| Douglas J. Christensen |
| Registration No. 35,480 |
| CERTIFICATE OF EXPRESS MAIL |
| "Express Mail" mailing label number EV433103998US. Date of Deposit: April 9, 2004. I hereby certify that this paper is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. |
| Mai Lee Vang |
| Name of Person Making Deposit Signature |

This application claims priority of Japanese Patent Application No. 2003-111938, filed April 16,

[X]